



**THE OPEN UNIVERSITY OF SRILANKA**

Regulation for the Award of  
**Advanced Certificate in Science**

**Regulation No: 17. NS. (1). [a -2022]**

March 2022

## Preamble:

Regulation No. 17. NS (1)[a] for Award of the Advanced Certificate in Science was approved by the Faculty Board of Faculty of Natural Sciences at its 391<sup>st</sup> Meeting held on 2<sup>nd</sup> March 2022 [Memo No: VV/9/391/15].

The programme was offered jointly by Faculty of Natural Sciences and Faculty of Engineering Technology offering Biology and Chemistry by Faculty of Natural Sciences and Physics and Mathematics by Faculty of Engineering Technology.

It has been decided by the 484<sup>th</sup> Council of the Open University held on 25<sup>th</sup> February 2022 to transfer the administration, academic management, delivery and assessment and evaluation of the Advanced Certificate of Science programme of the Foundation Academic Unit to the Faculty of Natural Sciences with effect from 7<sup>th</sup> February 2022 [Council Memo No: VV/484/12 (xxxvii)] from the academic year 2021/22.

This Regulations has been amended accordingly as the programme of Study is not offered by the Faculty of Natural Sciences with the joint coordination of the Departments of Botany, Chemistry, Mathematics, Physics and Zoology of The Open University of Sri Lanka.

The table below provides a brief historical background to the revisions approved by the Senate and Council for the Programme of Study.

Approved Regulation / Rules by the Council	Details of approval given by the Council		
	Meeting number	Memo number	Date
Regulation No 17. NS (1)	471	VV/471/8 (ii)	18.12.2020

**THE OPEN UNIVERSITY OF SRI LANKA**  
**REGULATION FOR THE AWARD OF**  
**THE ADVANCED CERTIFICATE IN SCIENCE**

This Regulation was prepared under Section 136 of the Universities Act No. 16 of 1978 read in conjunction with The Open University Ordinance No. 1 of 1990 (as amended).

**Part I - General**

- 1.1. This Regulation shall be cited as the Regulation No. [17. NS.(1)[a-2022] of 2022 approved by the Council of The Open University of Sri Lanka at its 485<sup>th</sup> meeting held on 25.03.2022 and shall be deemed to be the consolidated Regulation for the award of the Advanced Certificate in Science.
- 1.2. This Regulation for the Award of the Advanced Certificate in Science shall be made by the Senate and approved by the Council.
- 1.3. A student who has successfully completed the prescribed Programme of Study shall be awarded the Advanced Certificate in Science [*AdvCert(Sci.)*] in accordance with the General By-Law No. 1 for the Award of Certificates, Advanced Certificates, Diplomas, Higher Diplomas, Degrees, Postgraduate Diplomas, Post Graduate Degrees and Higher Degrees, By-Law No. 17 for the award of Advanced Certificates and this Regulation for the award of the Advanced Certificate in Science
- 1.4. These Regulations shall come into effect from the academic year 2021/22.

**Part II - Eligibility for Admission to the Programme of Study**

- 2.1. A person seeking admission to the Programme of Study leading to the award of the Advanced Certificate in Science shall be required to have,
  - 2.1.1. General Certificate of Education (Ordinary Level) with Six (6) passes including Science and Mathematics or,
  - 2.1.2. an equivalent or any other higher qualification acceptable to the Senate.
  - 2.1.3. A student who fulfils the requirement of qualifications as specified by the Schedule 3(a) made under this Regulation is allowed to enroll directly in the Level-2 Part-2 courses specified in Schedule 1 of this Regulation.

**Part III – Admission to the Programme of Study and Registration for the Courses**

- 3.1. A person may register for courses in the Programme of Study subject to limits on the course credit ratings and any other conditions as laid down in the General By-Law No. 1, By-Law No. 17 and the conditions provided in Schedule 1 of this Regulation.
- 3.2. To be eligible to register for Level-2 Part-2 of the Programme of Study, a person shall have satisfied the prerequisites for course(s) as specified in Schedule 1 of this Regulation.

#### **Part IV - Programme of Study**

- 4.1. The combination of courses, the discipline, and the credit rating of each course in the Programme of Study for the award of the Advanced Certificate in Science shall be as specified in Schedule 1 of this Regulation.
- 4.2. Registration for courses at Level 2 shall be in accordance with Schedule 1 of this Regulation.
- 4.3. The medium of instruction of the Programme of Study leading to the Advanced Certificate in Science shall be Sinhala/Tamil/English.

#### **Part V - Scheme of Assessment**

- 5.1 The Overall Assessment Mark (Z%) of a student in respect of any course, shall be based on the Overall Continuous Assessment Mark (X%) and the mark obtained at the Final Examination (Y%) and shall be computed as follows:

if,

$$Y \geq 40 \quad \text{then } Z = (0.4 X + 0.6Y)$$

$$35 \leq Y < 40, \text{ then } Z=0.4 X +0.6 Y, \text{ subject to a maximum of 40}$$

$$\text{if } Y < 35, \text{ then } Z = Y$$

- 5.2 Each student who sits for the Final Examination of a course shall be awarded a grade in respect of such course based on the Overall Assessment Mark (Z%), as specified in Schedule 2 of this Regulation and subject to Part V of the By-Law No. 17.

#### **Part VI - Award of the Advanced Certificate in Science**

- 6.1 A candidate eligible for the Award of the Advanced Certificate in Science in accordance with this Regulation shall supplicate for same to the Deputy Registrar/ Senior Assistant Registrar/ Assistant Registrar of Examinations before the prescribed date on the prescribed form.
- 6.2 A candidate shall be awarded the Advanced Certificate in Science, if he/she has successfully completed minimum of sixty (60) course credits as specified in Schedule 1 of this Regulation.
- 6.3 A candidate shall acquire the course credit requirements as specified in Sections 6.2 and 6.3 of this Regulation above within a minimum period of two (02) academic year and a maximum period of six (06) consecutive academic years from the date of his/her first registration considered for the award of the Advanced Certificate in Science.

#### **Part VII – Exemptions**

- 7.1. Exemptions may be granted as specified in Schedule 3(a) of this Regulation.
- 7.2. Exemptions, other than those given in Schedule 3(a), may be granted with the approval of the Faculty Board and the Senate.

- 7.3. Notwithstanding any exemptions so granted for the award, 50% of the minimum course credit requirement a student shall acquire by successful completion in accordance with the Part V of this Regulation for the award of the Advanced Certificate in Science, shall be thirty (30) course credits at Part 2 .

### Part VIII - Course credit transfers

- 8.1. Course credit transfers may be granted as specified in Schedule 3b of this Regulation.
- 8.2. Course credit transfers, other than those given in Schedule 3b, may be granted with the approval of the relevant Faculty Board and the Senate.
- 8.3. Notwithstanding any course credit transfers so granted for the award, 50% of the minimum course credit requirement a student shall acquire by successful completion in accordance with the Part V of this Regulation for the award of the Advanced Certificate in *General Science* , shall be thirty (30) course credits at Part 2

### Part IX – Revisions

- 9.1. This Regulation may be revised, amended or repealed as and when deemed necessary by the Senate.
- 9.2. Such revisions, amendments or repeals shall come into effect as determined by the Senate and approved by the Council.

## SCHEDULES

### SCHEDULE 1 – CURRICULUM WITH PRE-REQUISITES FOR COURSES

#### 1.1 Regular Courses

Subject	Course	Code	Credit rating	Prerequisites
<b>Level 2- Part 1</b>				
Mathematics	Mathematics 1	MYF2519	5	None
	Mathematics 2	MYF2520	5	None
Physics	Physics 1	PHF2523	5	None
	Physics 2	PHF2524	5	None
Chemistry	Chemistry 1	CYF2515	5	None
	Chemistry 2	CYF2516	5	None
Biology	Biology 1	BYF2511	5	None
	Biology 2	ZYF2512	5	None

<b>Level 2- Part 2</b>				
Mathematics	Mathematics 3	MYF2521	5	Stipulated minimum OCAM in MAF1501& MAF1502 or, MHF2519 & MHF2520 <u>or</u> MYF2519 & MYF2520
	Mathematics 4	MYF2522	5	Stipulated minimum OCAM in MAF1501& MAF1502 or MHF2519 & MHF2520 <u>or</u> MYF2519 & MYF2520
Physics	Physics 3	PHF2525	5	Stipulated minimum OCAM in TAF1501& TAF1502 or, TAF2523 &TAF2524 <u>or</u> PHF2523 & PHF2524
	Physics 4	PHF2526	5	Stipulated minimum OCAM in TAF1501& TAF1502 or, TAF2523 &TAF2524 <u>or</u> PHF2523 & PHF2524
Chemistry	Chemistry 3	CYF2517	5	Stipulated minimum OCAM for CMF1501 & CMF1502 or, CYF2515 & CMF2516
	Chemistry 4	CYF2518	5	Stipulated minimum OCAM in CMF1501& CMF1502 or, CYF2515& CYF2516
Biology	Biology 3	BYF2513	5	Stipulated minimum OCAM in BZF1501 & BZF1502 or, BYF2511 & ZYF2512
	Biology 4	ZYF2514	5	Valid OCAM in BZF1501 & BZF1502 or, BYF2511 & ZYF2512

*(Student may register for a maximum of three (3) subjects with maximum total credit of thirty (30) at each Year)*

## 1.2 Mutually Exclusive Courses

Courses listed in each row are mutually exclusive courses where only one course or course combination in each set of mutually exclusive courses with relevant credit weight is considered for the award of the degree, with respect to the credit requirements specified in Part VI of this Regulation.

Course Code	Credit Rating	Mutually Exclusive Courses
<b>Mathematics</b>		
MYF2519	5	MHF2519, MAF1501& MAF1502
MYF2520	5	MHF2520, MAF1501& MAF1502
MYF2521	5	MHF2521
MYF2522	5	MHF2522
<b>Physics</b>		
PHF2523	5	TAF2523, TAF1501& TAF1502
PHF2524	5	TAF2524, TAF1501& TAF1502
PHF2525	5	TAF2525
PHF2526	5	TAF2526
<b>Chemistry</b>		
CYF2515	5	CMF1501 & CMF1502
CYF2516	5	CMF1501 & CMF1502
<b>Biology</b>		
BYF2511	5	BZF1501 & BZF1502
ZYF2512	5	BZF1501 & BZF1502

**SCHEDULE 2 – OVERALL ASSESSMENT MARK (Z%) RANGES AND GRADES**

Z%: Range of Marks	Grade	Grade Point Value
85 - 100	A <sup>+</sup>	4.00
70 - 84	A	4.00
65 - 69	A <sup>-</sup>	3.70
60 - 64	B <sup>+</sup>	3.30
55 - 59	B	3.00
50 - 54	B <sup>-</sup>	2.70
45 - 49	C <sup>+</sup>	2.30
40 - 44	C	2.00
35 - 39	C <sup>-</sup>	1.70
30 - 34	D <sup>+</sup>	1.30
20 - 29	D	1.00
00 - 19	E	0.00

### SCHEDULE 3 – EXEMPTIONS AND TRANSFER OF OCAM

#### 3(a) Exemptions

Exemptions shall be granted for the listed courses as mentioned below:

Course	Code	Criterion
Mathematics 1 Mathematics 2	MYF2519 MYF2520	Followed the GCE (Advanced Level) Combined Mathematics/Pure Mathematics and Applied Mathematics; or an equivalent subject as approved by the relevant faculty and 40% of the marks from the Exemption Test conducted by the OUSL.
Physics 1 Physics 2	PHF2523 PHF2524	Followed the GCE (Advanced Level) Physics subject or an equivalent subject as approved by the relevant faculty and 40% of the marks from the Exemption Test conducted by the OUSL.
Chemistry 1 Chemistry 2	CYF2515 CYF2516	Followed the GCE (Advanced Level) Chemistry subject or an equivalent subject as approved by the relevant faculty and 40% of the marks from the Exemption Test conducted by the OUSL.
Biology 1 Biology 2	BYF2511 ZYF2512	Followed the GCE (Advanced Level) Biology;/Botany and Zoology; or an equivalent subject as approved by the relevant faculty and 40% of the marks from- the Exemption Test conducted by the OUSL.

#### 3(b) TRANSFER OF CREDIT

Transfer of credit shall be granted for the following listed of courses:

Course	Code	Criterion
Mathematics 1 Mathematics 2	MYF2519 MYF2520	OCAM $\geq$ 40% for MAF1501 Mathematics I <u>and</u> MAF1502 Mathematics II
Physics 1 Physics 2	PHF2523 PHF2524	OCAM $\geq$ 40% for TAF1501 Physics I <u>and</u> TAF1502 Physics II
Chemistry 1 Chemistry 2	CYF2515 CYF2516	OCAM $\geq$ 40% for CMF1501 Chemistry I <u>and</u> CMF1502 Chemistry II
Biology 1 Biology 2	BZF2511 ZYF2512	OCAM $\geq$ 40% for BZF1501 Biology I <u>and</u> BZF1502 Biology II
Mathematics 3 Mathematics 4	MYF2521 MYF2522	OCAM $\geq$ 40% for MAF2501 Mathematics III <u>and</u> MAF2502 Mathematics IV
Physics 3 Physics 4	PHF2525 PHF2526	OCAM $\geq$ 40% for TAF2501 Physics III <u>and</u> TAF2502 Physics IV
Chemistry 3 Chemistry 4	CYF2517 CYF2518	OCAM $\geq$ 40% for CMF2501 Chemistry III <u>and</u> CMF2502 Chemistry IV
Biology 3 Biology 4	BYF2513 ZYF2524	OCAM $\geq$ 40% for BZF2501 Biology III <u>and</u> BZF2502 Biology IV



Recommended for Approval of Faculty of Natural Sciences

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Dean/ Faculty of Natural Sciences

Date: .....

Recommended for Senate Approval.

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Dean/ Faculty of Natural Sciences

Date: .....